Unconditioned Buildings

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Description

- Expand the scope of the Title 24 energy efficiency standards unconditioned spaces.
 - Prescriptive LPD requirements.
 - Mandatory lighting control requirements.
- Unconditioned spaces are not currently regulated.



Benefit

Save electric energy and demand.



Enforcement Mechanism

- The regulatory approach for lighting power would be identical to that currently used for interior lighting power in conditioned spaces.
- Title 24 building energy efficiency standards for unconditioned spaces would include:
 - Mandatory measures for lighting controls.
 - Prescriptive requirements for limits on lighting power density.

Cost Effectiveness Approach

- The approach for LPD requirements will be the same as for conditioned interior lighting — a model to justifying each application.
- Title 24 documentation already includes models that apply, including:
 - Warehouse, general highbay, auto repair, mall.
- ASHRAE/IESNA 90.1-1999 also includes models that may apply to unconditioned buildings:
 - Automotive facility, parking garage, active storage, atrium, workshop.

Cost Effectiveness Approach (cont.)

For controls, the approach will be to estimate the initial cost of the control and to then determine (in the case of lighting hours reductions) how many hours must be reduced in order for the control to be cost effective.

